Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 6.1.3
Input Device:	Carousel	Date:	06/15/2017 12:02 PM
Tube Loaded Manually:	Yes	Cytometer Baseline:	04/21/2017 12:22 PM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product: CST Setup Beads, Part #: 910723
Lot ID: 25720, Expiration Date: 06/30/2017
Bead Lot Information: Available

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	124701	-1	1.36	124559	1.34
Blue	F	SSC	125000	124072	-1	2.94	124424	2.70
Blue	E	FITC	23355	22676	-3	2.37	1011	10.44
Blue	D	PE	28848	28346	-2	1.86	1019	9.77
Blue	B	PerCP-Cy5-5	47791	46763	-3	3.33	1338	16.97
Blue	A	PE-Cy7	41358	40869	-2	5.02	630	36.04
Red	C	APC	51316	51072	-1	2.62	2950	9.26
Red	A	APC-Cy7	53225	52676	-2	2.65	1092	11.15
Violet	B	V450	14473	13831	-5	3.22	666	9.01
Violet	A	V500	59973	58454	-3	2.97	2595	6.11

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	19408	3.61	608	10	N/A	N/A	Pass
Blue	F	SSC	61699	1.49	542	8	N/A	N/A	Pass
Blue	E	FITC	114	40.12	543	-1	0.0200	205	Pass
Blue	D	PE	225	29.12	539	1	0.1633	261	Pass
Blue	B	PerCP-Cy5-5	209	44.67	629	-1	0.0100	75	Pass
Blue	A	PE-Cy7	68	119.19	682	1	0.0115	11	Pass
Red	C	APC	346	27.14	590	-4	0.0211	74	Pass
Red	A	APC-Cy7	119	40.70	570	-6	0.0056	1722	Pass
Violet	B	V450	81	44.16	471	0	0.0422	1997	Pass
Violet	A	V500	189	22.24	502	1	0.0135	196	Pass

Specifications

PMTV Delta from baseline: 50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Spec. (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.98 - 71.98	N/A	N/A	-31.67	-31.08	0.86
Blue	20.35	16.27 - 24.41	1.27	0.99 - 1.49	0.00	0.00	1.34
Red	18.62	13.27 - 19.91	N/A	N/A	30.96	31.58	1.17

Window Extension: 7.00
FSC Area Scaling Factor: 0.89

Threshold

Threshold (FSC): 9655

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.70
Spec.: 3.80 - 4.00

Comments